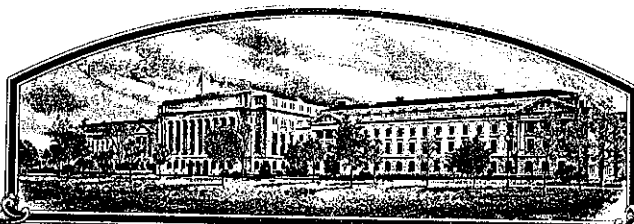


No.

7900102



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Delta & Pine Land Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT 542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

COTTON

'Deltapine 41'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 27th day of March in the year of our Lord one thousand nine hundred and eighty.

Attest.

[Signature]
Commissioner
Plant Variety Protection Office
Grain Division
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, POULTRY, GRAIN & SEED DIVISION

FORM APPROVED
OMB NO. 40-R3822

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY Deltapine 7141-227-31		1b. VARIETY NAME Deltapine 41		FOR OFFICIAL USE ONLY PV NUMBER 7900102	
2. KIND NAME Cotton		3. GENUS AND SPECIES NAME Gossypium hirsutum		FILING DATE 8-17-79	TIME 2:00 <u>P.M.</u>
4. FAMILY NAME (BOTANICAL) Malvaceae		5. DATE OF DETERMINATION October 1974		FEE RECEIVED \$ 500.00 \$ 250.00	DATE 8-17-79 12-27-79
6. NAME OF APPLICANT(S) Delta & Pine Land Company		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) Scott, Mississippi 38772		8. TELEPHONE AREA CODE AND NUMBER (601) 742-3351	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION Delaware		11. DATE OF INCORPORATION Oct. 19, 1978	
12. NAME AND MAILING ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS: Early C. Ewing, Jr. Research Department Delta & Pine Land Company Scott, Mississippi 38772					
13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:					
<input checked="" type="checkbox"/> 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)					
<input checked="" type="checkbox"/> 13B. Exhibit B, Novelty Statement.					
<input checked="" type="checkbox"/> 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)					
<input checked="" type="checkbox"/> 13D. Exhibit D, Additional Description of the Variety.					
14a. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a). (If "Yes," answer 14B and 14C below.) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
14b. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		14c. IF "YES," TO 14B, HOW MANY GENERATIONS OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED			
15a. DID THE APPLICANT(S) FILE FOR PROTECTION OF THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes," give name of countries and dates.)					
15b. HAVE RIGHTS BEEN GRANTED THIS VARIETY IN OTHER COUNTRIES? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If "Yes," give name of countries and dates.)					

16. DOES THE APPLICANT(S) AGREE TO THE PUBLICATION OF HIS/HER (THEIR) NAME(S) AND ADDRESS IN THE OFFICIAL JOURNAL? ☒ YES ☐ NO

17. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

6/21/79
(DATE)

8/13/79
(DATE)

Early C. Ewing, Jr.
SIGNATURE OF APPLICANT

John R. Jones
(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.

14a If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)

15a See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

EXHIBIT A

DELTA & PINE LAND COMPANY'S APPLICATION FOR DELTAPINE 41Origin and Breeding History

Deltapine 41 originated from a progeny selection program in a population arising from the 1971 cross of Deltapine 55 x Stoneville 603. Stoneville 603 is a commercial variety released by Stoneville Pedigreed Seed Company, Stoneville, Mississippi. Deltapine 55 is a commercial variety released by Delta & Pine Land Company, Scott, Mississippi.

Seed of the 7141 cross were sent to Iguala, Mexico for winter increase and the F₂ population was grown at Scott in 1972. Selections from the F₂ population were reselected in the F₃ and F₄ generations in 1973 and 1974, respectively. The final selections were made in October 1974. Four of these selections, 7141-227-31-41, 42, 43 and 44, were tested as replicated F₅ progeny rows in 1975 but did not differ significantly and were combined to form Deltapine 41. This variety was tested as Deltapine 7141 or Deltapine 7141-227-31.

Deltapine 41 was tested in replicated tests in 1976, 1977 and 1978. Deltapine 41 has been tested in comparison with Deltapine 55 for three years.

Deltapine 41 has been observed to be very uniform in all testing and reproduction stages. No genetic variants are known to exist in this strain.

EXHIBIT B

DELTA & PINE LAND COMPANY'S APPLICATION FOR DELTAPINE 41Novelty Statement

Deltapine 41 most nearly resembles Deltapine 55. This variety is novel as indicated by the following data which are three year averages--1976, 1977 and 1978 (Table B-I)--of tests by Delta and Pine Land Company.

	<u>Deltapine 41</u>	<u>Deltapine 55</u>	<u>Difference</u>
Lint yield, lbs/ac	876	854	22
Percent of check	103	100	+3
<u>Lint percentage</u>	37.7	36.9	+0.8
Strength T ₁	24.5	23.9	+0.6
Elongation E ₁	6.5	6.6	-0.1
2.5% Span length, in.	1.11	1.11	None
Length Uniformity Index	43.6	42.5	+1.1
<u>Micronaire Index</u>	4.1	4.0	+0.1
Smoothness of leaf (index)	3	3	None
Verticillium Wilt %	14	12	+2
Leafiness	2.0	2.0	None
Plant Height	2.0	2.0	None
Strings Out	2.0	2.0	None

Data from Exhibit C (one test, one year)

Cm. Height	110	111	-1
Cm. to 1st Fruiting Branch	25	26	-1
Node to 1st Fruiting Branch	6.6	6.6	None
Seed Index	9.0	9.2	-.2
Seed per boll	33	34	-1
<u>Diameter of boll, cm.</u>	2.90	3.01	-.11
Days to 60% Open	132	132	Same

Deltapine 41 most closely resembles one of its parents, Deltapine 55. Its novelty as compared with Deltapine 55 is based on the following differences from Table B I.

Lint Percentage	+0.8
Micronaire Index	+0.1
Diameter of Boll	-0.11

The significance of these differences is supported by the results from a number of other stations (Exhibit D). There are slight differences in the way the data was obtained by different agencies as follows. Lint percentage and fiber data are often determined on the basis of hand picked boll samples taken from bolls opening early in the season. Boll size is measured as the number of bolls required to weigh a pound or as the weight in grams of a boll of seed cotton.

Summary tables are designated by the exhibit letter and Roman numerals; summary worksheets by letter, Roman numerals, and numbers; and tables of original data by letter, Roman numerals, numbers and lower case letters. For example BI4a.



United States Department of Agriculture

January 21, 1998

Research, Education, and Economics
Agricultural Research Service

Marian R. Minnifield
Secretary
Plant Variety Protection Office
NAL Building, Room 500
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351

Subj: Expired PVPO's; disposition of

1. The following expired PVPO's have been transferred to the NPGS. Our records have been changed accordingly.

<u>Serial Number</u>	<u>PVP Number</u>	<u>EXPIRED</u>
107423	01	7900099 01/02/1997
107424	01	7800077 01/02/1997
107425	01	7900062 01/02/1997
107428	01	7900095 01/02/1997
107429	01	7700092 01/02/1997
108309	01	7900116 01/29/1997
108310	01	7900117 01/29/1997
108311	01	7900087 01/29/1997
108312	01	7800080 01/29/1997
108313	01	7800020 01/29/1997
109381	01	7900113 03/27/1997
109382	01	7900030 03/27/1997
109383	01	7900102 03/27/1997
109384	01	7900063 03/11/1997
109386	01	7300068 03/11/1997
109387	01	7900120 02/26/1997
109388	01	7700028 02/26/1997
109389	01	7700112 02/26/1997
109390	01	7900040 03/11/1997
109791	01	7800071 02/26/1997
110210	01	8000058 05/15/1997
110211	01	7800103 05/01/1997
110212	02	8000001 05/01/1997
110213	01	7800001 05/01/1997



Northern Plains Area • National Seed Storage Laboratory
1111 South Mason Street • Ft. Collins, CO 80521-4500
Voice: 970 495-3200 • Fax: 970 221-1427
An Equal Opportunity Employer

110214	02	7200105	04/24/1997
110215	01	8000022	04/24/1997
110216	01	7900060	05/01/1997
110217	01	7900084	05/01/1997
110218	01	8000071	05/15/1997
110219	01	7900101	05/01/1997
110220	01	8000043	05/15/1997
110221	01	8000015	05/15/1997
110222	01	7900111	05/15/1997
110223	01	7900110	05/15/1997
110227	01	7900106	05/15/1997
110228	01	7900071	04/24/1997
110229	01	7900100	05/01/1997
110230	01	7900075	05/01/1997
110231	01	7900108	04/24/1997
110236	01	8000053	05/29/1997
110239	01	7900098	05/29/1997
110240	01	7900006	05/29/1997
110263	01	7900042	06/05/1997
110264	01	8000048	06/05/1997
110265	01	8000063	06/05/1997
110266	01	8000012	06/05/1997
110267	01	8000049	06/05/1997
110268	01	7800092	06/05/1997
112329	01	8000045	06/19/1997
112330	01	7900088	07/10/1997
112331	01	8000044	07/10/1997
112332	01	7800079	06/19/1997
112333	01	7900074	06/26/1997
112334	01	8000061	06/19/1997
112335	01	7700016	07/10/1997
112336	01	7700017	07/10/1997
112337	01	7900105	06/26/1997
112338	01	7900089	06/19/1997
112339	01	7900072	06/19/1997
112342	01	7900090	06/26/1997
112343	01	7900064	07/10/1997
112344	01	8000072	06/19/1997
112345	01	8000009	07/31/1997
112346	01	7800099	07/31/1997
112347	01	8000040	07/31/1997
112348	01	8000039	07/31/1997
112349	01	8000041	07/31/1997
112350	01	7900080	07/31/1997
112351	01	8000006	07/31/1997

Phil

7900102

I thought you might want a copy of this brief article
that appeared in March from the Memphis Commercial Appeal.

Bill Meredith

Ruling Enforces Protection For Hybrid Seed Research

By LYNNETTE MCINTIRE

From The Commercial Appeal
Greenville, Miss., Bureau

March 1982

GREENVILLE, Miss. — A federal district judge, in a ruling that could have wide importance in the field of agricultural seed development and marketing, has enforced patent-like protections to Delta and Pine Land Co.'s hybrid seed varieties.

The decision marks the first time a court has given its blessings to a 1971 law designed to grant to seed developers similar protections afforded those who develop consumer-oriented products.

Judge William C. Keady found Wednesday that Hollandale Seed and Delinting Co. and People's Gin Co. of Winterville illegally distributed a protected seed variety, Deltapine 41, which was developed by Delta and Pine Land Co. The firm held a certificate of Plant Variety Protection, which guarantees that no one else has the right to sell, export or reproduce the seed for 17 years.

According to the suit, People's Gin Co., a farmers cooperative, acted as an agent to store the Deltapine 41 seed and distribute it to its members. The gin company and Hollandale Seed and Delinting Co., which processed the seed, contended they merely served their members and were protected under an exemption allowing farmers to sell or reuse the seed for their own use and to distribute it to other farmers.

Keady, however, ruled that the exemption applied only to direct farmer-to-farmer transactions on their own premises.

People's Gin Co., Keady found, arranged sales and allowed further dis-

tribution that was permitted by the exemption. Keady also ruled that Peoples and Hollandale Seed also violated Mississippi labeling laws which require notification of protected seeds and require label information on the weight of weed seeds, the percentage of inermatter, germination and other information.

Delta and Pine Land Co. requested \$100,000 in damages. Wednesday's ruling did not include damage awards. Another trial will be required to determine damages, court official said.

Seed breeders contend they need strict enforcement of the law to protect their investments in research and to assure the profitability of further development programs.

The court last April had issued a temporary restraining order forbidding Hollandale Seed and Delinting and the peoples gin from selling, shipping, delivering or transferring the Deltapine 41 seed.

The executive vice-president of Hollandale Seed and Delinting Co., James Maxwell, said Thursday he had not examined the court decision and had not made a decision on whether to appeal. The attorney for Peoples Gin, Nathan Adams of Greenville, could not be contacted Thursday.

FORM GR-470-8
(10-2-72)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Cotton)OBJECTIVE DESCRIPTION OF VARIETY
COTTON (GOSSYPIMUM SPP.)

INSTRUCTIONS: See Reverse.

NAME OF APPLICANT(S)

Delta & Pine Land Company

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

Scott, Mississippi 38772

FOR OFFICIAL USE ONLY

PVPO NUMBER
7900102VARIETY NAME OR TEMPORARY
DESIGNATION

Deltapine 41

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g., or) when number is either 99 or less or 9 or less.

1. SPECIES:

 1 = GOSSYPIMUM HIRSUTUM 2 = GOSSYPIMUM BARBADENSE

2. AREA(S) OF ADAPTION (0 = Not Tested, 1 = Not Adapted, 2 = Adapted): Table D II - D IX

 EASTERN DELTA CENTRAL HIGH PLAINS EL PASO AREA
 WESTERN LOW HOT VALLEYS SAN JOAQUIN OTHER (Specify) _____

3. MATURITY (50% Open-Boll): (60%) Table C 3

 NO. OF DAYS EARLIER THAN } 1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
 NO. OF DAYS LATER THAN } 4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (Specify) _____

4. PLANT HABIT:

 1 = SPREADING 2 = INTERMEDIATE 3 = COMPACT 1 = FOLIAGE SPARSE 2 = DENSE
3 = OTHER (Specify) _____

5. PLANT HEIGHT: Table C 5

 CM. SHORTER THAN } 1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213
 CM. TALLER THAN } 4 = PAYMASTER 111 5 = ACALA 1517-70 6 = ACALA SJ-1
7 = LANKART 57 8 = OTHER (Specify) Deltapine 55

6. MAIN STEM:

Table C 6

 1 = LAX 2 = ASCENDING 3 = ERECT CM. TO FIRST FRUITING BRANCH NO. OF NODES TO FIRST FRUITING BRANCH (from cotyledonary node)

7. LEAF:

 CM. WIDTH OF
WIDEST LEAVES
AT MATURITY

8. LEAF PUBESCENCE:

 2 = SMOOTH LEAF (DELTAPINE SMOOTH LEAF) 3 = PUBESCENT (STONEVILLE 213)
4 = HEAVY PUBESCENCE (H₁ OR H₂) 5 = OTHER (Specify) _____1 = GLABROUS (HAIRS AS SPARSE AS D₂ SMOOTH)

9. LEAF COLOR:

 1 = VIRESCENT YELLOW 2 = LIGHT GREEN 3 = DARK GREEN (Acala-442) 4 = RED
5 = OTHER (Specify) _____

10. LEAF TYPE:

 1 = NORMAL 2 = OKRA 3 = SUPER OKRA 4 = OTHER (Specify) _____

11. FLOWER:

 1 = NECTARILESS 2 = NECTARIED Petals: 1 = CREAM 2 = YELLOW Pollen: 1 = CREAM 2 = YELLOW

12. FRUITING BRANCH TYPE:

 1 = CLUSTER 2 = SHORT 3 = NORMAL 1 = DETERMINATE 2 = INDETERMINATE

13. GOSSYPOL CONDITION:

 1 = GLANDLESS 2 = REDUCED GLANDS 3 = NORMAL GLANDS: 1 = NORMAL BUD GOSSYPOL
4 = OTHER (Specify) _____ 2 = HIGH BUD GOSSYPOL

14. SEEDS: Table C 14

 ± SEED INDEX (Fuzzy seed basis) Seed Fuzz: 1 = SPARSE (GREGG 35) 2 = MODERATE (DPL-16)
3 = HEAVY (ACALA SJ-1) 4 = OTHER (Specify)

FORM GR-470-8 (REVERSE)

15. BOLLS:

2 Locules: 1 = 3-4 2 = 4-5		Table C 15 3 3 NO. SEEDS PER BOLL	Table B I 3 7 7 LINT PERCENT	Table C 15 2 9 MM. DIAMETER
2 Pitted: 1 = NONE 2 = FINELY 3 = COARSELY		Table D II 5 0 0 GRAMS SEED COTTON PER BOLL	2 Breadth: 1 = BROADER AT BASE 2 = BROADER AT MIDDLE	
3 Type: 1 = STORMPROOF (WESTBURN 70) 2 = STORM RESISTANT (LANKART 57) 3 = OPEN (DELTAPINE 16)		3 Shape: 1 = LENGTH < WIDTH 2 = LENGTH = WIDTH 3 = LENGTH > WIDTH		

16. BRACTEOLAS:

<input type="checkbox"/> Breadth: 1 = LENGTH < WIDTH 2 = LENGTH = WIDTH 3 = LENGTH > WIDTH	<input type="checkbox"/> Teeth: 1 = 3-4 2 = 5-7 3 = 8-10 4 = OTHER (Specify)
<input type="checkbox"/> Teeth: 1 = FINE 2 = COURSE	

17. YIELD: Compared to—

Table B I 1			
<input type="checkbox"/> PERCENT LESS THAN	<input type="checkbox"/> 1 = COKER 310 2 = DELTAPINE 16 3 = STONEVILLE 213		
<input type="checkbox"/> 8 0 PERCENT MORE THAN	<input type="checkbox"/> 4 = PAYMASTER 111 5 = ACALA 1517-70		
<input type="checkbox"/> 3	<input type="checkbox"/> 6 = ACALA SJ-1 7 = LANKART 57		

18. FIBER LENGTH (Complete one or more of the following and give the means):

Table B I			
<input type="checkbox"/> SPAN LENGTH 50%	<input type="checkbox"/> 1 1 1 SPAN LENGTH 2.5%	<input type="checkbox"/> U.H.M. LENGTH	
<input type="checkbox"/> MEAN LENGTH	<input type="checkbox"/> STAPLE LENGTH 32nd INCHES		
<input type="checkbox"/> UNIFORMITY RATIO (MEAN/U.H.M.)	<input type="checkbox"/> 4 4 UNIFORMITY INDEX (50% SPAN/2.5% SPAN)		

19. FIBER STRENGTH AND ELONGATION:

<input type="checkbox"/> 1,000 P.S.I.	<input type="checkbox"/> 6 5 ELONGATION E ₁	<input type="checkbox"/> STILOMETER T ₀
<input type="checkbox"/> 4 1 0 MICRONAIRE READING	<input type="checkbox"/> YARN STRENGTH (Give test method)	<input type="checkbox"/> 2 4 5 STILOMETER T ₁

20. DISEASE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

Table B I 1		Table D V		Table D V	
<input type="checkbox"/> 2 VERTICILLIUM WILT	<input type="checkbox"/> 2 FUSARIUM WILT	<input type="checkbox"/> 2 ROOT KNOT NEMATODE	<input type="checkbox"/> 0 BACTERIAL BLIGHT (Race 1)		
<input type="checkbox"/> 0 BACTERIAL BLIGHT (Race 2)	<input type="checkbox"/> 0 ASCOCHYTA BLIGHT	<input type="checkbox"/> 0 PHYMATOTRICHUM ROOT ROT	<input type="checkbox"/> 1 RHIZOCTONIA		
<input type="checkbox"/> 0 ANTHRACNOSE	<input type="checkbox"/> 0 RUST	<input type="checkbox"/> OTHER (Specify)			

21. INSECT: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

<input type="checkbox"/> 1 BOLL WEEVIL	<input type="checkbox"/> 1 APHID	<input type="checkbox"/> 1 FLEAHOPPER	<input type="checkbox"/> 1 LEAFWORM
<input type="checkbox"/> 1 FALL ARMYWORM	<input type="checkbox"/> 1 GRASSHOPPER	<input type="checkbox"/> 1 LYGUS	<input type="checkbox"/> 1 PINK BOLLWORM
<input type="checkbox"/> 1 STINKBUG	<input type="checkbox"/> 1 THRIP	<input type="checkbox"/> 1 CUTWORM	<input type="checkbox"/> 1 SPIDERMITTE
<input type="checkbox"/> OTHER (Specify)			

REFERENCES: The following publications may be used as a reference aid for the standardization of terms and procedures for completing this form:

- (1) Brown, Harry B., and J. O. Ware, 1958, Cotton, McGraw-Hill Book Company, Inc., New York.
- (2) Lewis, C. F., and H. H. Ramey, Jr., 1971, 1970 Regional Cotton Variety Tests, ARS 34-130, United States Department of Agriculture.

COLORS: Nickerson's or any recognized color fan may be used to determine flower color of the described variety.